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SUBJECT: Discusses integrated emergency power & engineered safeguards functional test performed on 970102-05.Rept titled, "CYME Modeling of Emergency Power & Engineered Safeguards Functional Tests 2,5 & 6," enclosed.

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December 30, 1997

U. S. Nuclear Regulatory Commission  
Attention: Document Control Desk  
Washington, DC 20555

Subject: Oconee Nuclear Station  
Docket Nos. 50-269, -270, -287  
Oconee Integrated Emergency Power and Engineered  
Safeguards Functional Test

In a letter dated October 31, 1996, Duke Power committed to review the possibility of performing a one-time integrated emergency power and engineered safeguards functional test during the outage of all three Oconee units that was in progress at the time. In a follow-up letter dated November 21, 1996, Duke committed to the performance of a one-time integrated emergency power and ES functional test during the three unit Oconee outage.

The one-time integrated emergency power and ES functional test was performed on January 2-5, 1997. In a letter dated January 30, 1997, Duke provided the schedule for the submittal of the test report and CYME computer simulation for the one-time integrated emergency power and ES functional test. A copy of the test report was submitted to the NRC by a letter which was dated April 30, 1997. The CYME computer simulation has been completed and a report containing the results of the CYME computer simulation is attached to this letter.

The one-time integrated emergency power and ES functional test which was performed on January 2-5, 1997 demonstrated that the Oconee emergency power system was capable of performing its intended safety functions. In addition, the CYME model simulations of the one-time integrated emergency power and ES functional test correlate well with the actual test results. The attached report concludes that the CYME model conservatively models the emergency power system response during design basis accidents. Therefore, the CYME model is an acceptable method for predicting the response of the Oconee emergency power system.

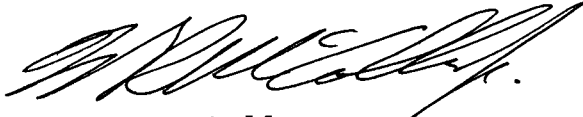
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Please address any questions to Michael Bailey at (864) 885-4390.

Very Truly Yours,

A handwritten signature in dark ink, appearing to read 'W. R. McCollum, Jr.', with a stylized, cursive script.

W. R. McCollum, Jr.  
Site Vice President  
Oconee Nuclear Station

Attachment

cc: L. A. Reyes, Regional Administrator  
Region II

M. A. Scott, Senior Resident Inspector  
Oconee Nuclear Site

D. E. LaBarge, Project Manager  
NRR